Halaco Engineering Co. Superfund Site





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Halaco Engineering Co. Background



- Halaco operated a metal smelting and recycling operation, 1965 to 2004
- Processed scrap aluminum, magnesium, and zinc



- Produced approx. 700,000 yds³ of waste containing AI, Mg, Cu, Zn, Ba, Pb, Th
- Most waste remains on the Halaco property; some wastes on TNC property, in OID and lagoon sediments, wetlands, groundwater

Testing Needed to Make Cleanup Decisions



- Has contaminated groundwater traveled offsite?
- Are buried wastes still reactive and capable of generating ammonia and other gases?
- Are buried wastes in contact with and contaminating groundwater?
- Are the wastes contaminated with dioxins or other organic contaminants?
- Is there residual contamination from the fuels and oils that Halaco stored and used onsite?
- How much Halaco waste material is there in the sediments of the Oxnard Industrial Drain and Ormond Beach lagoon?
- What is the extent of contamination in the TNC property?



EPA 2009-2010 Testing Effort

- Field work and lab analysis complete
- Reports in preparation
- Tested soil, sediment, waste, groundwater, surface water, soil gas – over 2,000 analyses











Soil and Sediment Sample Locations



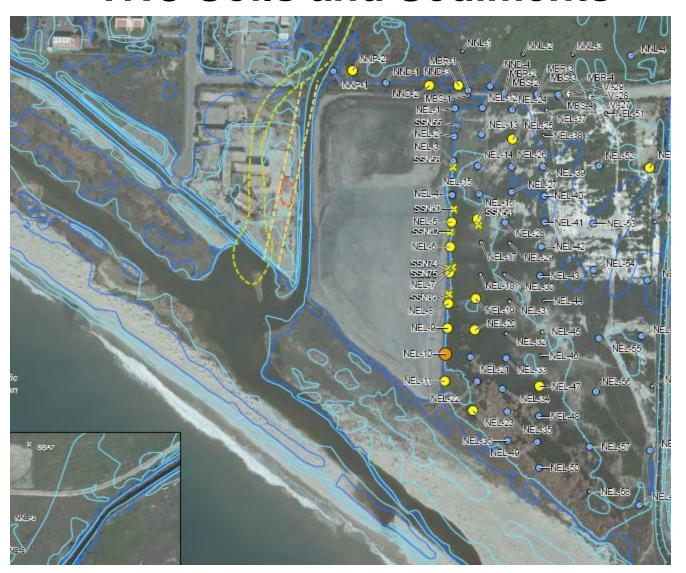
Groundwater Wells





TNC Soils and Sediments





Lead (Pb) mg/kg

<14

14 - 100

100 - 400

400 - 800

>800

Soils and Beach Sands S. of Halaco





Lead (Pb) mg/kg



OID/Lagoon Bottom Sediments





Lead (Pb) mg/kg





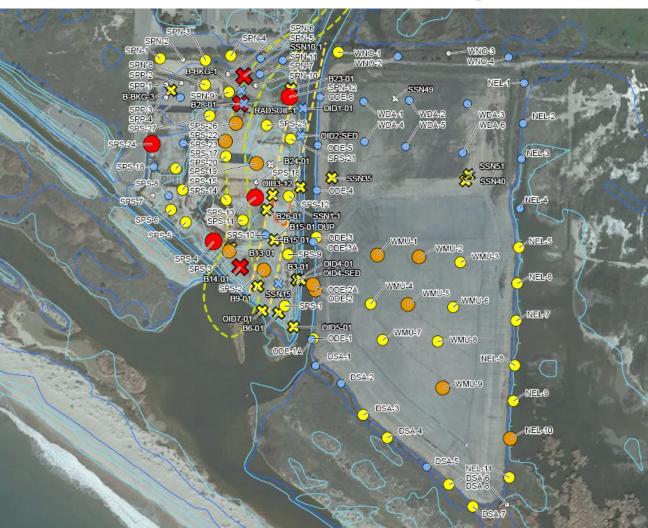






Former Halaco Properties





Lead (Pb) mg/kg

0 <14

0 14 - 100

0 100 - 400

400 - 800

>800

Questions?



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Visit: http://www.epa.gov/region9/halaco